

TIM BRADY, Ph.D.

Educational Administration:

2000 - today. Professor and Dean, College of Aviation, at Embry-Riddle Aeronautical University in Daytona Beach, Florida. This is the largest and most respected college of its kind in the world. The college is composed of five academic departments: Aeronautical Science; Flight Training; Applied Aviation Sciences; Aviation Maintenance Science; and Doctoral Studies. In terms of assets, the college is composed of approximately 90 faculty, 20 staff, 130 flight instructors, 90 airplanes and 15 advanced flight training devices. The total budget for the college is in excess of \$25 million. Led the effort for the creation of a Ph.D. in Aviation, the first of its kind in the U.S. Classes began in January 2010.

1998 - 2000. Professor and Associate Dean of the School of Aviation and Chairman of the Applied Aviation Sciences Department at Embry-Riddle Aeronautical University in Daytona Beach. Stood up this new department and created three new B.S. degrees: Air Traffic Management, Applied Meteorology, and Safety Science, and one new M.S. degree in Safety Science for the Prescott campus.

1991 -1998. Professor and Chairman of the Power and Transportation Department (Aviation Department) at Central Missouri State University. B.S. degrees included Professional Pilot, Maintenance Management, Aviation Management, Avionics Technology, and Automotive Technology. The department also offered the only M.S. degree in Aviation Safety available at that time. The department was composed of approximately 20 faculty and 60 flight instructors. Other responsibilities included the management of the university-owned airport, forty plus aircraft including several gliders and a hot-air balloon, plus the associated aircraft maintenance activities.

1985 - 1991. Dean of Institutional Advancement and External Programs at Parks College of Saint Louis University. Responsibilities included public relations, admissions, placement, financial aid, alumni relations (all part of the enrollment management team), campus security, extended campus programs, and the management of the university-owned FBO.

1983 -1985. Director of Business and Finance at Parks College of Saint Louis University. Responsibilities included the campus business office, public relations, purchasing, and the campus dining services.

1981 - 1983. Instructor and Chairman of the Aeronautical Administration (Business) Department at Parks College of Saint Louis University. The department was composed of six faculty who taught traditional business and management courses and aviation-related management courses. This was a B.S.

degree granting department in Aviation Administration.

Other Key Leadership Positions in Aviation Higher Education:

2013 – Serve as a member of the FAA’s Aviation Rulemaking Advisory Committee (ARAC).

2011 – Appointed by the FAA Administrator to serve on a five-person blue-ribbon panel to review training for air traffic controllers. Report submitted, October, 2011.

2010 – Served on the FAA’s First Officer Qualification Aviation Rulemaking Committee representing the Council on Aviation Accreditation.

2009 – Testified to Congress on behalf of the Council on Aviation Accreditation and the University Aviation Association regarding HR 3371/HR5900 (First Officer Qualifications).

2004-2006. Elected and served as the President of the Council on Aviation Accreditation (CAA) now AABI (Aviation Accreditation Board, International) and is a Board of Trustees member. AABI is the only accrediting body for collegiate aviation programs. Before being elected president, Brady served as AABI’s Accreditation Committee Chair. As President, Brady created the AABI trust, which provides a vehicle by which donors who have an interest in furthering the quality of aviation higher education can contribute. In addition he provided the leadership to move AABI to an outcomes-oriented accreditation body.

1993 – 1994. Elected and served as the President of the University Aviation Association.

Brady is the only aviation education leader who has served as both the president of the UAA and AABI. In addition, he participated as an accreditation team member for the New England Association of Schools and Colleges, the Western Association of Schools and Colleges, and has both led and served as team member for the AABI on eight campus accrediting team visitations. Brady led the development of outcomes-based criteria for AABI and chaired the first campus visit under the new provisions.

Brady has served as program reviewer for aviation programs at more than 20 colleges and universities, the most recent of which were conducted within the past year at both Eastern Kentucky University and Middle Tennessee State University.

Professional Aviation Experience:

Active duty with the U.S. Air Force (1958-1980); dual rated as a pilot and navigator. Began service as an enlisted man and was commissioned as an officer through Aviation Cadets (1960). Brady flew the C-130 aircraft for 20 years and was decorated twice with the Distinguished Flying Cross in combat (Vietnam) plus was awarded many Air Medals. He holds the Air Transport Pilot (ATP) rating (multi and single engine with commercial privileges).

Created the National Training Symposium (1989) and has continued to conduct the symposium each Spring. The Symposium brings together those entities who use aviation training products with those who manufacture them.

Education:

Ph.D. in Higher Education (Higher Education Administration), St. Louis University, 1986. Courses in: The Law of Higher Education; The Student in Higher Education; Finance in Higher Education; Foundations of Higher Education; Organization and Administration; Curriculum of Higher Education and Research in Higher Education.

Master of Science Degree, (Management) Abilene Christian University, Abilene Texas, 1976.

Bachelor of Science Degree, Troy State University, Montgomery, Alabama, Major: Social Science. Minor: Business. Honor Society: Alpha Sigma Lambda, 1974.

College-level Courses Taught/Developed:

Post-Graduate Level: Ph.D. course in the Foundations of Aviation.

Graduate Level: Aviation Safety, Aviation Law, Air Transportation, Aviation Education Foundations, and Aviation Management.

Undergraduate Level: The Government in Aviation, Business Law, Marketing, Fundamentals of Management, Organizational Behavior, Aviation History, Aviation Safety, Basic Aeronautics, Aviation Management, General Aviation Seminar, Aviation Legislation, and Business Games.

Writer/Editor: Brady is a published author of more than 30 articles. He was the editor of a respected safety magazine and is the author of a "How To" monograph for editors of specialized magazines. He was the creative director and lead author of the college textbook The American Aviation Experience: A History published by Southern Illinois University Press in the Fall, 2000. He is an associate editor of two refereed journals, The Journal of Aviation/Aerospace Education and Research, and the Journal of Aviation World Wide, and a reviewer of a third refereed journal, The Collegiate Aviation Review.

Publications:

The Impact on Educational Technology of a Fatal Airline Accident: A Case Study, Journal of Cyber Ethics in Education, Summer 2014 (pending), ICICTE.

The Aircraft Accident Investigation That Never Was, Journal of Aviation/Aerospace Education & Research, Spring 2014, Embry-Riddle Aeronautical University, Retrieved from <http://commons.erau.edu/jaaer/vol23/iss2/1>

The Daytona Beach International Airport in Uniform, Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Winter 2008.

An Application of High Fidelity FTDs for Ab Initio Pilot Training: The Way Ahead, Collegiate Aviation Review, (with Nickolas Macchiarella and Brandon Lyon), University Aviation Association, Fall 2007.

Innovations in Ab Initio Pilot Training: An Application of High Fidelity Flight Training Devices, (with Nickolas Macchiarella), a paper accepted by and presented to The Royal Aeronautical Society, London, Fall 2006.

High Fidelity Flight Training Devices in the Training of Ab Initio Flight Students, (with Nickolas Macchiarella and Pamela Arban), a paper presented to the 24th Digital Avionics Conference, Fall 2005.

The Orteig Prize, Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Fall 2002.

A Comparison of the Learning Styles of Aviation and Non-Aviation College Students, Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Fall 2001.

NBAA Personnel Study (Shortage of Pilots), commissioned by the National Business Aviation Association, Spring 2001.

Pilot Education: The Beginnings, Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Spring 2000.

Touch the Wind, Twin and Turbine, Spring 1998.

Anson Burlingham, Diplomat, Orator, Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Spring 1997.

Trading with China - An Opportunity with Historic Precedent, Civil Aviation and Airport Development for China, Sterling Publications, London, Fall 1996.

Cross-Cultural Underpinnings of the Taiping Rebellion: Potential Modern Applications, Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Fall 1993.

Glass Cockpit, (A poem) Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Spring 1993.

A Time to Fly, (A poem) Journal of Aviation/Aerospace Education & Research, Embry-Riddle Aeronautical University, Fall 1992.

Management by Objectives and Machiavellianism: A comparison of the Theoretical Constructs, Doctoral Dissertation, Saint Louis University, 1986.

A Guide for Editors of DoD Publications, Air University, Maxwell AFB, Alabama, 1974.

Brady served as the editor of and writer for the Tactical Air Command Safety Publication entitled TAC ATTACK (TACRP 127-1). The following articles are shown by title, publication and date. The publisher was the Department of Defense.

"*How About a System?*" February 1971; "*Midair! Midair!*" September 1971; "*On Target*," October 1971; "*Holidays from Danger*," November 1971; "*The Lure of Home*," December 1971; "*The Professionals*," January 1972; "*Another Look at Hydroplaning*," February 1972; "*Bio What?*," March 1972; "*The C-130 Fin Stall Phenomenon*," April 1972; "*The Longest Flight*," May 1972; "*Call Signs*," June 1972; "*TALAR, What is it?*" July 1972; "*The 'Can-do' Attitude*," August 1972; "*World War I and Beyond*," September 1972; "*The Airlift Instructor School*," October 1972; "*On a Wing and a Strap*," November 1972; "*The Four Horsemen*," January 1973; "*Gear-up Landings*," February 1973; "*Wheels are Square*," March 1973; "*The Alligators Will Get You*," April 1973; "*The Spin, An Accident Analysis*," May 1973; "*Between Pyosis and Pyralidan*," June 1973; "*What is an Airlifter?*" July 1973.

Grant Writing and Management, a summary of major grants, contracts, and proposals:

2006, USAF Flight Safety Officer Training, approximately \$1 million annually for one year with potential for extension to five years, funded.

2006, Project Outcomes Ab Initio, Department of Education -FIPSE, \$600,000, not funded.

2004, Project 2020, Department of Education, \$1.5 million, not funded.

2003, Project 2020, NSF, \$2 million, not funded.

2002, Project 2020, NSF, \$100,000, funded, completed.

2002, Security Assessment for General Aviation, FAA (through the General Aviation Center of Excellence), \$100,000, funded, completed.

2002, Security Screener Training, Department of Transportation (in collaboration with George Washington University), \$40 million, not funded.

2002, USAF Flight Safety Officer Training, approximately \$1 million annually for three years, funded for four years, completed.

1999, Research Project Pedagogy, Embry-Riddle Aeronautical University, \$5,440, funded.

1998, USAF Flight Safety Officer Training, Approximately \$3 million annually for three years. Joint proposal in conjunction with the Transportation Safety Institute, not funded.

1997, FAA Center of Excellence in Airworthiness Assurance. Led a consortia composed of Central Missouri State University, University of Missouri at Columbia, University of Missouri at Rolla, Southern Illinois University at Carbondale, Parks College of Saint Louis University, Wichita State University, Illinois University at Chicago, McDonnell-Douglas, Boeing, the Transportation Safety Institute of the Department of Transportation, and American Airlines. Funding was targeted at a minimum of \$500,000 per year, not funded.

1996, Central Missouri State University - Aviation History Textbook Grant; \$500; funded, completed, textbook published (SIU press) and in use by many universities/colleges.

1995, Federal Aviation Administration, Airway Science Grant Proposal, \$8 million, not funded.

1994, Central Missouri State University, Project Stealth Help; \$3,000 funded.

1993, Federal Aviation Administration: "Project Pedagogy II;" \$396,000 competitive; not funded.

1992, Environmental Protection Agency: "Project Clean Mean Machine," \$35,023, not funded.

1992, Federal Aviation Administration: "Project Pedagogy II;" \$396,000, not funded.

1991, Federal Aviation Administration: "Project Pegagogy;" \$391,000 competitive; funded.

1990, Federal Aviation Administration; "Digital Technology Familiarization Course;" \$210,000; funded (renewed annually for the succeeding 15 years).

1990, Illinois Department of Commerce and Community Affairs; "Level 7 Technology Project;" \$4.1 million; not funded.

1989, GTE Lectureship Program; "Ethics in Government- Related Aerospace Contracting;" \$4,000; not funded.

1989, McDonnell Douglas Inc.; "On-site Logistics Education Program;" \$200,000 annually; not funded.

1989, Illinois State Board of Higher Education; "Partners in Education;" \$44,000; funded.

1989, Federal Aviation Administration; "Project High Flight;" \$520,000; not funded.

1989, State of Kuwait; "Maintenance Training;" \$72,000; not funded.

1989, Federal Aviation Administration; "Human Factors, Simulation;" \$47,000; not funded.

1989, Aeritalia Airlines; "A Parks College-Aeritalia Airlines A&P School on Site in Italy;" \$50,000 initially (phase 1), \$3+ million annually eventually; funded (1992).

1988, Saint Louis University; "The Parks College Simulation Center for Commuter/Regional Airlines;" \$17 million; funded, not executed.

1988, Illinois State Board of Higher Education (Women's Equity), "Project Illinois SPACE Women;" \$30,000; funded; completed.

1988, Department of Education, "Title III Endowment;" \$3 million; not funded.

1987, Trans World Airlines; "Ab Initio Pilot Training Program;" shared revenue; denied but implemented bilaterally by TWA and Flight Safety International.

1987, Department of Education- FIPSE, "Title III-Strengthening Institutions;" \$600,000; funded; completed.

1987, Federal Aviation Administration; "Project High Flight;" \$1.2 million; not

funded.

1987, Illinois State Board of Higher Education (Women's Equity), "Project Illinois SPACE Women;" \$30,000; funded; completed.

1986, Department of Education - Women's Educational Equity Act, "Project SPACE Women;" \$76,000; funded; completed.

1986, Federal Aviation Administration, "Management Training School;" \$15 million; not funded.

1986, Comprehensive Program Fund (DOE), "Aerospace as a Teaching Tool;" \$31,000; not funded.

1985, Sikorski Aircraft Proposal, "A Rotary-wing Training Program for the Chinese;" \$13 million; not funded.

1985, Federal Aviation Administration; "Project High Flight;" \$1.2 million; not funded.

1984, St. Louis Desegregation Committee Proposal, "Teachers Aerospace Magnet Program;" \$40,000; funded; completed.

1984, Joint Training Partnership Act (JTPA) Grant, "Transition to Employment," \$28,000; funded; completed.

1984, Army Aviation Systems Command; "Modern Avionics Circuits Course;" \$50,000 annually; funded for five years.

American Council on Aviation Activities (ACE):

Field Coordinator for ACE on a variety of evaluations including those for Army, Navy, Air Force and Marines course evaluations at many different locations.

Team member on numerous ACE evaluations for courses relating to aviation: (pilots, navigators), aviation electronics, air traffic control, maintenance, and operations.

Hobbies: Writing; Glass working.